



SR 307/Dean Forest Road @ I-16 DDI Design-Build Industry Forum

July 11, 2019

Andrew Hoenig, P.E., DBIA
DB Program Manager

Ron Nelson, Assoc. DBIA, CPESC
DB Project Manager



Disclaimer Statement

At this meeting the Department will provide information about the project's delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks.

Participants will be encouraged to ask questions during this meeting; however, any information provided by the Department shall be considered as informational only and is subject to change.

Agenda

- Design-Build Overview
- Schedule
- Project Overview
 - Ongoing projects
- Design-Build Procurement
- Open Discussion

**Information and schedule are subject to change.*



Design-Build Overview

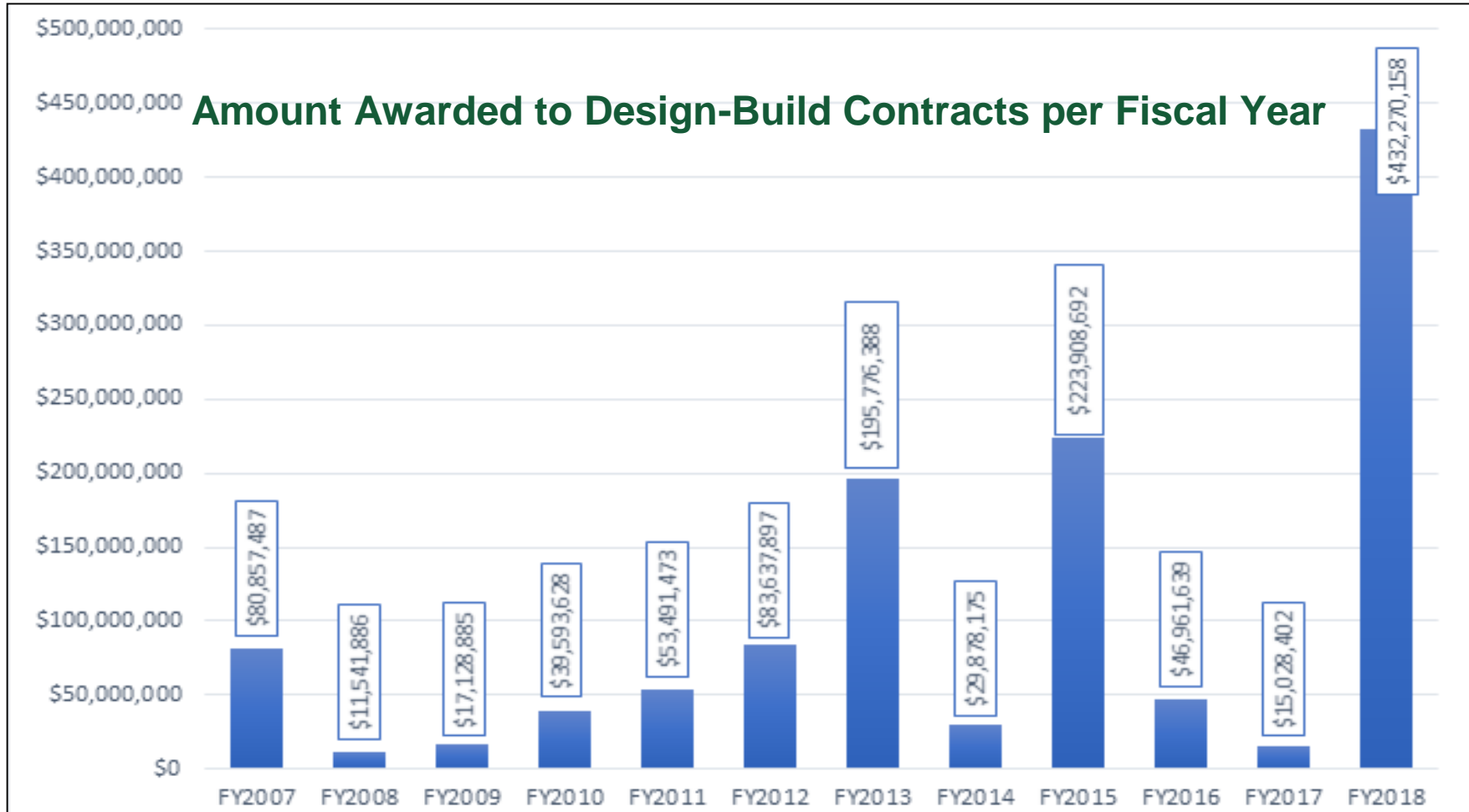
Design-Build

- Combines preconstruction related services with construction services into one contract.
- Allows the contractor to participate in the project's design in an effort to improve communications, expedite project delivery, and reduce costs.

Governed by:

- 23 Code of Federal Regulations (CFR) Part 636
- Georgia Code Section 32-2-81 (Enacted 2004)
- Board Rules, Chapter 672-18 (Adopted 2006 & 2013)

Innovative Delivery



**Information and schedule are subject to change.*

Upcoming Design-Build Opportunities

Project	PI Number	County	Anticipated Selection Method	Letting
Approved				
SR 247/ Pio Nono & College St bridges over Norfolk Southern Railroad	0014895	Bibb	Best Value	8/16/2019
	0014899			
I-16 @ SR 307 Diverging Diamond Interchange	0013727	Chatham	Two Phase Low Bid	10/25/2019
SR 25 at Savannah River (Houlihan Bridge) and SR 25 at Middle River	0013741	Chatham	TBD	Anticipated FY 2021
	0013742			
I-985 From I-85/Gwinnett to SR 53/Hall	0014130	Gwinnett Hall	TBD	Anticipated FY 2023
I-85 Widening SR 211 to SR 11/US 129	0013545	Barrow Jackson	Best Value	Summer 2024

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

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DB Procurement Documents Updates

RFQ

- Updated for clarity
- Pass/Fail requirements remain

RFP

- Updated for clarity, consistency, and continuous improvement
- Design-Build Contract Template Published Online
- Combining Volumes 2 & 3 into single volume
- Updating Design-Build Manual Attachments

Tentative Schedule

a. GDOT issues Public Notice Advertisement (PNA)	6/24/2019	-----
b. Industry Forum – GDOT 28th floor conference room	7/11/2019	11 a.m.
c. Industry one-on-one meetings	7/11/2019	1-4 p.m.
d. GDOT issues Request for Qualifications (RFQ)	7/17/2019	-----
e. Deadline for Statement of Qualifications (SOQ)	8/16/2019	11 a.m.
f. GDOT issues the Notice to Finalists	8/29/2019	-----
g. GDOT issues Request for Proposals (RFP) to the Finalists	8/30/2019	-----
h. Receipt of Technical Proposals and Price Proposals from Finalists	10/18/2019	11 a.m.
i. GDOT letting	10/25/2019	11 a.m.

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SR 307/Dean Forest Road @ I-16 DDI

Project Specifics

Ron Nelson, Assoc. DBIA, CPESC
DB Project Manager



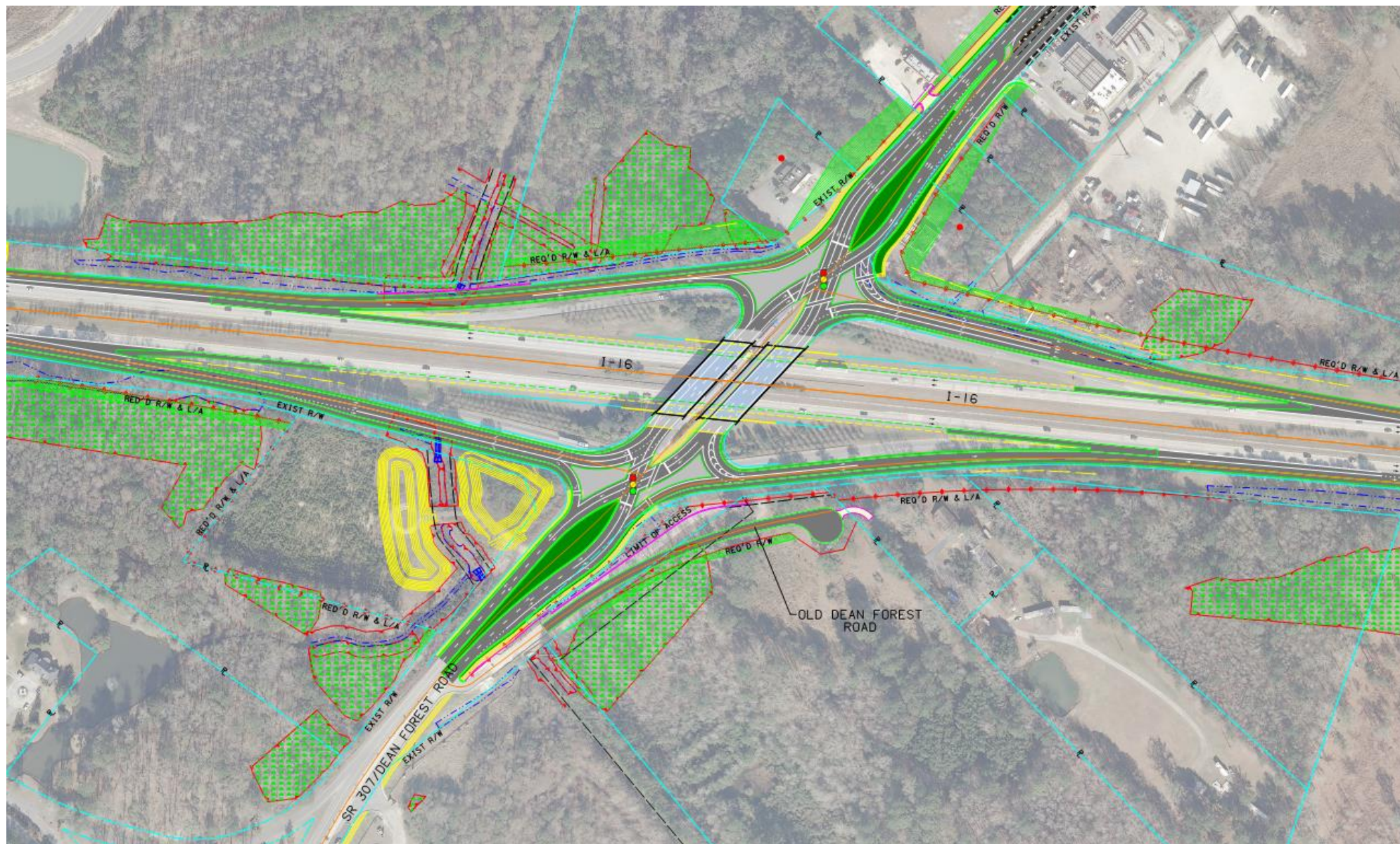
Project Overview

- Convert traditional diamond interchange to a diverging diamond interchange (DDI)
- Replace existing bridge with a split bridge design (two bridges, each with three lanes)
 - Widen lanes to accommodate truck traffic
- Construct a shared-use trail, adding additional width with one of the bridges
- DBE Goal of 11%

SR 307/Dean Forest Road @ I-16 DDI Project Location



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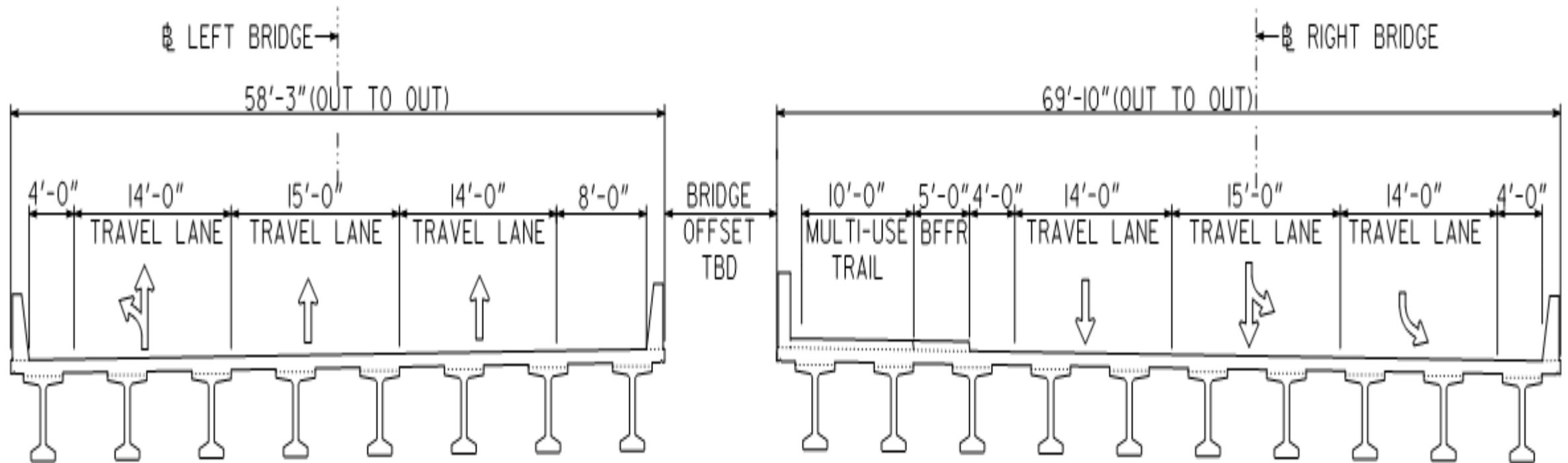


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Existing Bridge

	Existing Bridge (replace)
Year Constructed	1966
Number of Spans	4
Span Lengths	49.5', 87.25', 87.25', 49.5'
Number of Lanes	5
Lane Width	12-foot lanes
Shoulder Width	3-foot outside shoulder

Proposed Bridge Typical Section

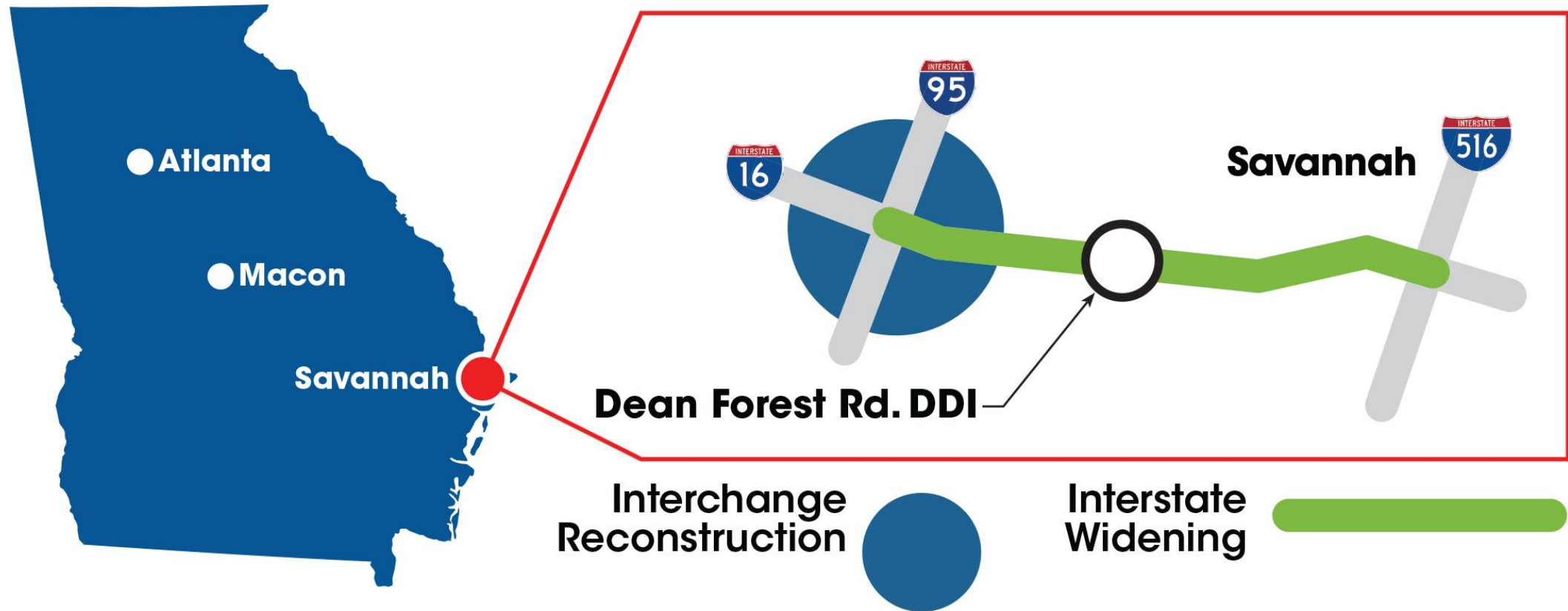


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Ongoing Projects



16@95 Improvement Projects (MMIP)



**Information and schedule are subject to change.*

Risks and Mitigation Strategies

Risk	Mitigations for RFP
Geotechnical	<ul style="list-style-type: none"> • Provide existing BFI's, Soil Survey, and Geotechnical boring logs
Right-of-Way	<ul style="list-style-type: none"> • GDOT acquisition ongoing • Date Certain in contract for all properties
Environmental	<ul style="list-style-type: none"> • Environmental-related scope items and anticipated review/approval durations • Coordination with the USACE • Avoidance of Restrictive Covenant property
Design Exception/ Design Variance	<ul style="list-style-type: none"> • None anticipated

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Risks and Mitigation Strategies

Risk	Mitigations for RFP
Hydraulics	<ul style="list-style-type: none"> • Earthwork within floodplain
Local Outreach	<ul style="list-style-type: none"> • Chatham County sponsored P.E. • Early and ongoing coordination with stakeholders
Cost Estimate	<ul style="list-style-type: none"> • Continue to monitor industry trends
Overall Contract Duration	<ul style="list-style-type: none"> • Established in RFP • DB Team will be required to coordinate their construction with Savannah Mobility Contractors • CPM Schedule required
Utilities	<ul style="list-style-type: none"> • SUE QL-B • Early coordination with utility owners: City of Savannah water, AGL, Ga Power Transmission & Distribution, AT&T • Executed MOUs

Environmental Concerns

- **Restrictive Covenant Property**
- **Ecology Resources**
 - Species included in SP 107.23H: Wood Stork
- **Permits – Georgia and Federal requirements**
- **USTs have been identified within the project limits**
 - A Phase II report will be provided at RFP advertisement

Design-Build Team Roles and Responsibilities

- Bridge and Roadway design
- Schedule development/management
- Geotechnical reports
- Permit and mitigation costs
- Maintain traffic, traffic control, and construction signage
- Utility coordination and relocation (if needed)
- Complete project within a defined timeline

GDOT Roles and Responsibilities

- Submittal review
- Environmental Special Studies/NEPA preparation and approval
- Construction Oversight/CEI
 - Material Testing will be provided by OMAT
 - CEI performed by GDOT OID

DB Procurement



Anticipated Area Classes for Lead Design Consultant

3.02	Two-Lane or Multi-lane Urban Roadway Design
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Anticipated Area Classes for DB Team Members

Number	Area Class
1.06(a)	NEPA
1.06(b)	History
1.06(c)	Air Quality
1.06(d)	Noise
1.06(e)	Ecology
1.06(f)	Archaeology
1.06(g)	Freshwater Aquatic Surveys
1.07	Attitude, Opinion and Community Value Studies (Public Involvement)
3.02	Two-Lane or Multi-Lane Urban Roadway Design
3.05	Multi-Lane Urban Interstate Limited Access Design
3.06	Traffic Operations Studies
3.07	Traffic Operations Design
3.09	Traffic Control Systems Analysis, Design and Implementation
3.10	Utility Coordination
3.12	Hydraulic and Hydrological Studies (Roadway)
3.13	Facilities for Bicycles and Pedestrians
3.15	Highway and Outdoor Lighting
4.01(a)	Minor Bridge Design
5.01	Land Surveying
5.02	Engineering Surveying
5.08	Overhead/Subsurface Utility Engineering (SUE)
6.01(a)	Soil Survey Studies
6.01(b)	Geological and Geophysical Studies
6.02	Bridge Foundation Studies
6.03	Hydraulic and Hydrological Studies (Soils and Foundation)
6.05	Hazardous Waste Site Assessment Studies
9.01	Erosion, Sedimentation, and Pollution Control Plan
9.02	Rainfall and Runoff Reporting
9.03	Field Inspections for Erosion Control

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Anticipated Procurement Process

- **Two Phase Low Bid (all qualified)**
- **Phase I - Request for Qualifications (RFQ)**
 - Georgia Procurement Registry (GPR)
 - Restriction on communications
 - Qualified Proposers meeting the Pass/Fail requirements will advance to Phase II
- **Phase II - Request for Proposals (RFP)**
 - GDOT DB SharePoint Site
 - Administrative, Technical, and Price Proposals
 - GDOT awards to the lowest responsive bid
 - No Stipulated Fee

Required Information – RFQ Phase (1/3)

- Organization chart
- Lead Contractor/Lead Design Consultant basic company information
- Lead Contractor Certificate of Qualifications
- Matrix listing GDOT Prequalified Area Classes
 - Include prequalification Notice of Professional Consultant Qualifications

Required Information – RFQ Phase (2/3)

- **Exhibit I**
 - Certification Form for Lead Design Consultant
- **Exhibit II**
 - GA Security and Immigration Compliance Act Affidavit for Lead Contractor
- **Exhibit II**
 - GA Security and Immigration Compliance Act Affidavit for Lead Design Consultant
- **Statement(s) regarding removal/failure to complete an assigned contract**
- **Statements of Disclosure (Conflict of Interest)**
- **Signed Amendment(s) acknowledgment**

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Required Information – RFQ Phase (3/3)

- **Key Personnel experience and qualifications (resume)**
 - Ten (10) years Industry experience for each Key Personnel position and should include at least three (3) years of experience in the same or similar role for projects of similar size and complexity
 - Relevant experience in the applicable proposed role for projects of similar complexity, size, scope, delivery method, and function
- **Lead Contractor experience and qualifications**
 - At least three (3) similar construction projects delivered using Design-Build and/or conventional Design-Bid-Build contracting which demonstrate the Lead Contractor's qualifications
- **Lead Design Consultant experience and qualifications**
 - At least three (3) similar design projects delivered using Design-Build and/or conventional Design-Bid-Build contracting that demonstrate the Lead Design Consultant's qualifications

Anticipated Procurement Process

Phase II - Request for Proposals (RFP)

- August 30, 2019 – Issue RFP
 - Posted on GDOT DB SharePoint site
 - Includes Reference Information Documents (RIDs)
 - Submit questions to OID Contracting Officer
- Administrative, Technical, and Price Proposals
 - Due to GDOT by October 18, 2019
 - Price Proposal in separate package
 - GDOT evaluates Administrative and Technical Proposals on a pass/fail basis
 - Price Proposals to be opened on October 25, 2019

Questions?

During project procurement, all proposer questions shall be submitted to the Department via email:

SR307DDI@dot.ga.gov

References:

GDOT Design-Build Web Page

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

GDOT Design-Build SharePoint Site

<http://mydocs.dot.ga.gov/info/designbuild/default.aspx>

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